

90  
0320

# 12



OIEP

# ENTERED

## RAW SEQUENCE LISTING

DATE: 03/18/2002

PATENT APPLICATION: US/09/821,832A

TIME: 15:13:30

Input Set : A:\0399.2008-002 SUBSEQLIST.TXT

Output Set: N:\CRF3\03182002\I821832A.raw

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4 <110> APPLICANT: Tuschl, Thomas
5     Zamore, Phillip D.
6     Sharp, Phillip A.
7     Bartel, David P.
9 <120> TITLE OF INVENTION: RNA Sequence-Specific Mediators of RNA
10    Interference
12 <130> FILE REFERENCE: 0399.2008-002
14 <140> CURRENT APPLICATION NUMBER: US 09/821,832A
15 <141> CURRENT FILING DATE: 2001-03-30
17 <150> PRIOR APPLICATION NUMBER: US 60/265,232
18 <151> PRIOR FILING DATE: 2001-01-31
20 <150> PRIOR APPLICATION NUMBER: US 60/193,594
21 <151> PRIOR FILING DATE: 2000-03-30
23 <150> PRIOR APPLICATION NUMBER: EPO 00 126 325.0
24 <151> PRIOR FILING DATE: 2000-12-01
26 <160> NUMBER OF SEQ ID NOS: 19
28 <170> SOFTWARE: FastSEQ for Windows Version 4.0
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31 <211> LENGTH: 267
32 <212> TYPE: DNA
33 <213> ORGANISM: Artificial Sequence
35 <220> FEATURE:
36 <223> OTHER INFORMATION: First 267 nt of Rr-luc
38 <400> SEQUENCE: 1
39 gaauacaagc uggggccuag ccaccaugac uucgaaaguu uaugauccag aacaaaggaa 60
40 acggaugaua acugguccgc aguggugggc cagauguaaa caaauugaug uucuugauuc 120
41 auuuauuaau uauuaugauu cagaaaaaca ugcagaaaau gcuguuauuu uuuuacaugg 180
42 uaacgcggcc ucuucuuaau uauugcgaca uguugugcca cauauugagc caguagcgcg 240
43 guguaauaau ccagaccuua uugguau                                     267
45 <210> SEQ ID NO: 2
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47 <212> TYPE: DNA
48 <213> ORGANISM: Artificial Sequence
50 <220> FEATURE:
51 <223> OTHER INFORMATION: 5' sense RNA primer for dsRNA 'C'
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54 gcgtaatacg actcactata gaacaaagga aacggatgat.                                40
56 <210> SEQ ID NO: 3
57 <211> LENGTH: 20
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59 <213> ORGANISM: Artificial Sequence
61 <220> FEATURE:
62 <223> OTHER INFORMATION: 3' sense RNA primer for dsRNA 'C'

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64 <400> SEQUENCE: 3
65 gaagaagtta ttctccaaaa                                20
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72 <220> FEATURE:
73 <223> OTHER INFORMATION: 5' asRNA primer for dsRNA 'C'
75 <400> SEQUENCE: 4
76 gcgtaatacg actcactata gaagaagtta ttctccaaaa          40
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79 <211> LENGTH: 20
80 <212> TYPE: DNA
81 <213> ORGANISM: Artificial Sequence
83 <220> FEATURE:
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86 <400> SEQUENCE: 5
87 gaacaaagga aacggatgat                                20
89 <210> SEQ ID NO: 6
90 <211> LENGTH: 40
91 <212> TYPE: DNA
92 <213> ORGANISM: Artificial Sequence
94 <220> FEATURE:
95 <223> OTHER INFORMATION: 5' sense RNA primer for dsRNA 'A'
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98 gcgtaatacg actcactata gtagcgcggt gtattataacc        40
100 <210> SEQ ID NO: 7
101 <211> LENGTH: 20
102 <212> TYPE: DNA
103 <213> ORGANISM: Artificial Sequence
105 <220> FEATURE:
106 <223> OTHER INFORMATION: 3' sense RNA primer for dsRNA 'A'
108 <400> SEQUENCE: 7
109 gtacaacgtc aggtttacca                                20
111 <210> SEQ ID NO: 8
112 <211> LENGTH: 40
113 <212> TYPE: DNA
114 <213> ORGANISM: Artificial Sequence
116 <220> FEATURE:
117 <223> OTHER INFORMATION: 5' as RNA primer for dsRNA 'A'
119 <400> SEQUENCE: 8
120 gcgtaatacg actcactata gtacaacgtc aggtttacca          40
122 <210> SEQ ID NO: 9
123 <211> LENGTH: 20
124 <212> TYPE: DNA
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127 <220> FEATURE:
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138 <220> FEATURE:
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141 <400> SEQUENCE: 10
142 cguacgcgga auacuucgat t 21
144 <210> SEQ ID NO: 11
145 <211> LENGTH: 21
146 <212> TYPE: DNA
147 <213> ORGANISM: Artificial Sequence
149 <220> FEATURE:
150 <223> OTHER INFORMATION: Antisense sequence of siRNA targeting GL2
152 <400> SEQUENCE: 11
153 ttgcaugcgc cuuaugaagc u 21
155 <210> SEQ ID NO: 12
156 <211> LENGTH: 21
157 <212> TYPE: DNA
158 <213> ORGANISM: Artificial Sequence
160 <220> FEATURE:
161 <223> OTHER INFORMATION: Sense sequence of siRNA targeting GL3
163 <400> SEQUENCE: 12
164 cuuacgcuga guacuucgat t 21
166 <210> SEQ ID NO: 13
167 <211> LENGTH: 21
168 <212> TYPE: DNA
169 <213> ORGANISM: Artificial Sequence
171 <220> FEATURE:
172 <223> OTHER INFORMATION: Antisense sequence of siRNA targeting GL3
174 <400> SEQUENCE: 13
175 ttgaaugcga cucaugaagc u 21
177 <210> SEQ ID NO: 14
178 <211> LENGTH: 21
179 <212> TYPE: DNA
180 <213> ORGANISM: Artificial Sequence
182 <220> FEATURE:
183 <223> OTHER INFORMATION: Sense sequence of siRNA targeting RL
185 <400> SEQUENCE: 14
186 aaacaugcag aaaaugcugt t 21
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189 <211> LENGTH: 21
190 <212> TYPE: DNA
191 <213> ORGANISM: Artificial Sequence
193 <220> FEATURE:
194 <223> OTHER INFORMATION: Antisense sequence of siRNA targeting RL
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Input Set : A:\0399.2008-002 SUBSEQLIST.TXT

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201 <212> TYPE: DNA  
202 <213> ORGANISM: Artificial Sequence  
204 <220> FEATURE:  
205 <223> OTHER INFORMATION: Sense sequence of siRNA targeting invGL2  
207 <400> SEQUENCE: 16  
208 agcuucauaa ggcgcgaugct t 21  
210 <210> SEQ ID NO: 17  
211 <211> LENGTH: 21  
212 <212> TYPE: DNA  
213 <213> ORGANISM: Artificial Sequence  
215 <220> FEATURE:  
216 <223> OTHER INFORMATION: Antisense sequence of siRNA targeting invGL2  
218 <400> SEQUENCE: 17  
219 ttucgaagua uuccgcguac g 21  
221 <210> SEQ ID NO: 18  
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223 <212> TYPE: DNA  
224 <213> ORGANISM: Artificial Sequence  
226 <220> FEATURE:  
227 <223> OTHER INFORMATION: Sense sequence of siRNA targeting uGL2  
229 <400> SEQUENCE: 18  
230 cguacgcgga auacuucgau u 21  
232 <210> SEQ ID NO: 19  
233 <211> LENGTH: 21  
234 <212> TYPE: DNA  
235 <213> ORGANISM: Artificial Sequence  
237 <220> FEATURE:  
238 <223> OTHER INFORMATION: Antisense sequence of siRNA targeting uGL2  
240 <400> SEQUENCE: 19  
241 uugcaugcgc cuuaugaagc u 21

VERIFICATION SUMMARY

DATE: 03/18/2002

PATENT APPLICATION: US/09/821,832A

TIME: 15:13:31

Input Set : A:\0399.2008-002 SUBSEQLIST.TXT

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